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OM nucleic - nucleic search, using sw model

Run on: December 2, 2002, 01:32:29 ; Search time 793.194 Seconds
(without alignments)
822.965 Million cell updates/sec

Title: US-09-856-979-6

Perfect score: 1695

Sequence: 1 ccgcagatccctctgtgtga.....tccatcaagcgcgtcgcatg 1695

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 341543 seqs, 192557720 residues

Total number of hits satisfying chosen parameters: 683086

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

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2:	/cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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10:	/cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11:	/cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12:	/cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13:	/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14:	/cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1695	100.0	5349	10	US-09-970-921-7
c 2	1695	100.0	6539	9	US-09-509-945-5
c 3	1695	100.0	6548	9	US-09-509-945-4
c 4	72.6	4.3	965	10	US-09-770-445-298
c 5	70.6	4.2	828	9	US-09-938-842A-1513
c 6	67	4.0	816	9	US-09-938-842A-2155
c 7	60	3.5	293	10	US-09-294-093B-2837
c 8	59.6	3.5	709	10	US-09-770-149-213
c 9	56	3.3	440	10	US-09-878-574-4918
c 10	53.6	3.2	304	10	US-09-294-093B-3541
c 11	47.8	2.8	367	10	US-09-770-791-415
c 12	36.6	2.2	396	10	US-09-878-574-1420
c 13	36.2	2.1	2573	10	US-09-917-800A-1339
c 14	36	2.1	6021	10	US-09-819-247-1
c 15	35.8	2.1	65359	10	US-09-804-472-3
c 16	35.6	2.1	382	10	US-09-878-574-5334
c 17	35.6	2.1	29793	10	US-09-973-451-38
c 18	35	2.1	1241	12	US-10-044-090-274
c 19	34.8	2.1	458	10	US-09-764-877-687

20	34.8	2.1	475	10	US-09-560-863-101
21	34.6	2.0	2000	9	US-09-938-842A-4992
c 22	34.6	2.0	3824	10	US-09-764-869-2167
c 23	34.4	2.0	1139	9	US-09-938-842A-3856
24	34.2	2.0	3400	10	US-09-987-025-1
25	34.2	2.0	640681	10	US-09-790-988-1
c 26	34	2.0	821	10	US-09-878-574-4653
c 27	33.6	2.0	390	10	US-09-880-107-459
28	33.6	2.0	432	10	US-09-960-352-3329
c 29	33.6	2.0	775	10	US-09-834-975-749
30	33.2	2.0	375	10	US-09-864-761-11762
31	32.8	1.9	643	12	US-10-044-090-812
c 32	32.8	1.9	147309	10	US-09-742-312-3
c 33	32.8	1.9	170834	10	US-09-835-232-7
c 34	32.6	1.9	2000	9	US-09-938-842A-4909
c 35	32.6	1.9	5970	9	US-10-108-605-210
c 36	32.6	1.9	6282	9	US-10-108-605-212
37	32.6	1.9	12932	10	US-09-764-847-1132
38	32.6	1.9	53332	10	US-09-801-861-3
c 39	32.4	1.9	253	10	US-09-878-574-14973
c 40	32.4	1.9	2000	9	US-09-938-842A-3048
41	32.4	1.9	3793	10	US-09-881-752A-149
c 42	32.4	1.9	32190	10	US-09-764-877-2844
c 43	32.2	1.9	337	9	US-10-040-739-195
c 44	32.2	1.9	374	10	US-09-983-965-4954
45	32.2	1.9	1895	10	US-09-764-864-230

ALIGNMENTS

RESULT 1

US-09-970-921-7
: Sequence 7, Application US/09970921
: Patent No. US20020133845A1
: GENERAL INFORMATION:
: APPLICANT: Frank Michiels et al.
: TITLE OF INVENTION: Improved Barstar Gene
: FILE REFERENCE: 2428-0108P
: CURRENT APPLICATION NUMBER: US/09/970,921
: CURRENT FILING DATE: 2001-10-05
: NUMBER OF SEQ ID NOS: 10
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 7
: LENGTH: 5349
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: other nucleic
: OTHER INFORMATION: acid, "T-DNA of pTTS243"
: NAME/KEY: misc.feature
: LOCATION: Complement((1)..(25))
: OTHER INFORMATION: label = RB, "T-DNA right border"
: NAME/KEY: misc.feature
: LOCATION: Complement((98)..(331))
: OTHER INFORMATION: label = 3'g7, "region containing 3' untranslated
: OTHER INFORMATION: end of Agrobacterium T-DNA gene 7"
: NAME/KEY: misc.feature
: LOCATION: Complement((332)..(883))
: OTHER INFORMATION: label = bar, "region coding for phosphinthrincin
: OTHER INFORMATION: acetyl transferase"
: NAME/KEY: misc.feature
: LOCATION: Complement((884)..(2258))
: OTHER INFORMATION: label = p35S, "35S promoter of Cauliflower Mosaic
: OTHER INFORMATION: Virus"
: NAME/KEY: misc.feature
: LOCATION: (2281)..(3969)
: OTHER INFORMATION: label = PE1, "promoter of E1 gene of rice (WO
: OTHER INFORMATION: 92/13956)"
: NAME/KEY: misc.feature
: LOCATION: (3970)..(4245)
: OTHER INFORMATION: label = synb*, "improved barstar DNA"
: NAME/KEY: misc.feature

RESULT 2
US-09-509-945-5/c
; Sequence 5, Application US/09509945
; Patent No. US20020166140A1
; GENERAL INFORMATION:
; APPLICANT: HAMADA, Kazuyuki et al.
; TITLE OF INVENTION: MUTANT BARNASE GENE AND TRANSGENIC PLANT TRANSFORMED BY SAID G
; FILE REFERENCE: 0230-0148P
; CURRENT APPLICATION NUMBER: US/09/509,945
; CURRENT FILING DATE: 2001-04-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 6539
; TYPE: DNA
; ORGANISM: Escherichia coli LE392
; FEATURE:

NAME/KEY: misc-feature
OTHER INFORMATION: Clone: pPS431
US-09-509-945-5

Query Match		100.08	Score 1695	DB 9	Length 6539		
Best Local Similarity		100.08	Pred. No. 0				
Matches 1695		Conservative 0	Mismatches 0	Indels 0	Gaps 0		
QY	1	CCGCAGATCCTTCGTGCTGATGTTTATTAATAATTTATATATATCTGGAATACCTACC	60				
DB	4307	CCGCAGATCCTTCGTGCTGATGTTTATTAATAATTTATATATATCTGGAATACCTACC	4248				
QY	61	ATATATATAGTATGCTGCACTGCAAGAACTTCCATCGCGGCAATACCAATAGAGA	120				
DB	4347	ATATATATAGTATGCTGCACTGCAAGAACTTCCATCGCGGCAATACCAATAGAGA	4188				
QY	121	TCCAACCACTTAATATCAATAAACAATCTGATTTAGTCCAGAACTATATGAGTAGTG	180				
DB	4187	TCCAACCACTTAATATCAATAAACAATCTGATTTAGTCCAGAACTATATGAGTAGTG	4128				
QY	181	ACAACAATAGCAGATTAACATTTATGAGGATTTATGGCTTAATCTGCAATTTCAATATTC	240				
DB	4127	ACAACAATAGCAGATTAACATTTATGAGGATTTATGGCTTAATCTGCAATTTCAATATTC	4068				
QY	241	GATGGCTTAATCTGCTGCTCAATTTTAGCGCTCCAGAAAGAAATGCAACAATCTTGGCAAT	300				
DB	4067	GATGGCTTAATCTGCTGCTCAATTTTAGCGCTCCAGAAAGAAATGCAACAATCTTGGCAAT	4008				
QY	301	GTGGCACTGGAATCTGTGCTGATGTTTATACATCTCTTATTAACGTAGCAAGGAGTAGAT	360				
DB	4007	GTGGCACTGGAATCTGTGCTGATGTTTATACATCTCTTATTAACGTAGCAAGGAGTAGAT	3948				
QY	361	TATTATGTACAGAGAAATCTCTTCAGATCTTTTCCACATGCAATGCTGTAAGAAGACAG	420				
DB	3947	TATTATGTACAGAGAAATCTCTTCAGATCTTTTCCACATGCAATGCTGTAAGAAGACAG	3898				
QY	421	ATACAGTGTACGTAGTTGTAATGAGCGTCAATGCCATTTCTCTGAAGGCATGTTTACAG	480				
DB	3887	ATACAGTGTACGTAGTTGTAATGAGCGTCAATGCCATTTCTCTGAAGGCATGTTTACAG	3828				
QY	481	AGATGATGATTTCTGGGATCTTGGAGGGGCTGAAATTCGGAACAGTTAGTTTCAAGTT	540				
DB	3827	AGATGATGATTTCTGGGATCTTGGAGGGGCTGAAATTCGGAACAGTTAGTTTCAAGTT	3768				
QY	541	TTAGTACCTAATGCTTGGCTTATATCTACGTGAAATGCCATTTCTGTAAGCTGAGTTTTC	600				
DB	3767	TTAGTACCTAATGCTTGGCTTATATCTACGTGAAATGCCATTTCTGTAAGCTGAGTTTTC	3708				
QY	601	TACCATCTCCACAGGAATAAAGCTAATACCTGCAAGAGTGTGGCGGCAATTTGACCAA	660				
DB	3707	TACCATCTCCACAGGAATAAAGCTAATACCTGCAAGAGTGTGGCGGCAATTTGACCAA	3648				
QY	661	ATCAAGATCACAAGCATGGCAAGATGCAATCTGCAAGAGGAGCGGAATATATTGTAT	720				
DB	3647	ATCAAGATCACAAGCATGGCAAGATGCAATCTGCAAGAGGAGCGGAATATATTGTAT	3588				
QY	721	CTTACTACATCGAACAGAACCATATCAATTTGCCCGCAGCAAGACCCCGCAGATAG	780				
DB	3587	CTTACTACATCGAACAGAACCATATCAATTTGCCCGCAGCAAGACCCCGCAGATAG	3528				
QY	781	TTCTGTTTCTCCACAGAGAAATATCCGCAACTGCAATAGCTCCCAACAATGAATCCAAA	840				
DB	3527	TTCTGTTTCTCCACAGAGAAATATCCGCAACTGCAATAGCTCCCAACAATGAATCCAAA	3468				
QY	841	ACCACATCGGCTCAGAGAGAGTATATGAATAAAGGCACCTAATTTCTGAATATTTCTCTAGA	900				
DB	3467	ACCACATCGGCTCAGAGAGAGTATATGAATAAAGGCACCTAATTTCTGAATATTTCTCTAGA	3408				
QY	901	AAGCGAATAATATAGCACACCTTGGCTCCCAACAAGAGCTTTGGGATGCACTTTGTGCC	960				
DB	3407	AAGCGAATAATATAGCACACCTTGGCTCCCAACAAGAGCTTTGGGATGCACTTTGTGCC	3348				
QY	961	CATGAATGGCAATCTTGACATTTCTGCTCACTGTGTCAGAAATCTCTCGGAAAAATGAGGAGCA	1020				

DB	3347	CATGAATGGCAATCTTGACATTTCTGCTCACTGTGCAATCTCTCGSAAATGAGGAGCA	3288				
QY	1021	TAGCTTCTGCTGTGTATGTGTGGATATATAGCTGCTAAACCTTTGTTCTGTGATCG	1080				
DB	3287	TAGCTTCTGCTGTGTATGTGTGGATATATAGCTGCTAAACCTTTGTTCTGTGATCG	3228				
QY	1081	ATCTGGTTAGAGAGCAATGCTTTTATAGCACTTAAATATGCTAGTATATATCTCTCAAGG	1140				
DB	3227	ATCTGGTTAGAGAGCAATGCTTTTATAGCACTTAAATATGCTAGTATATATCTCTCAAGG	3168				
QY	1141	AGCCTACTGCTCAAGGAAGATAGCTTGGCCCTGTGGGATTTGAGCCGTTGAAGGAC	1200				
DB	3167	AGCCTACTGCTCAAGGAAGATAGCTTGGCCCTGTGGGATTTGAGCCGTTGAAGGAC	3108				
QY	1201	AAAGCAATACAGTTACCTTACAGATGTTTGCCACACATGSGCAACGTCATTTGCTAGAC	1260				
DB	3107	AAAGCAATACAGTTACCTTACAGATGTTTGCCACACATGSGCAACGTCATTTGCTAGAC	3048				
QY	1261	CAAGAAGCAAGAACAAAGTTTACGTGTCAAAAAAGATATGCTAGAGGCTTTCCAGAAAT	1320				
DB	3047	CAAGAAGCAAGAACAAAGTTTACGTGTCAAAAAAGATATGCTAGAGGCTTTCCAGAAAT	2988				
QY	1321	ATGTTCTATCTACGCGAGCAACCAATGSGGCGCAAAATTTACTACTATTTGCCATACATTAAC	1380				
DB	2987	ATGTTCTATCTACGCGAGCAACCAATGSGGCGCAAAATTTACTACTATTTGCCATACATTAAC	2928				
QY	1381	CACGTAAAAGTCCCTACACCTAACCTTAACCTGTTGAAGCGTCTGTTCTGGCCAAAGGTGAG	1440				
DB	2927	CACGTAAAAGTCCCTACACCTAACCTTAACCTGTTGAAGCGTCTGTTCTGGCCAAAGGTGAG	2868				
QY	1441	AATGCACTTAATGAGCGGAGCAACACTTCTTTCACCGTCTACTGCTACATCTCTGTAGAC	1500				
DB	2867	AATGCACTTAATGAGCGGAGCAACACTTCTTTCACCGTCTACTGCTACATCTCTGTAGAC	2808				
QY	1501	GGTGGACGCTGAGGTGCTTTTCGCCATGACGCTCTTGGTGTGTCAGTCACTTGGCGAC	1560				
DB	2807	GGTGGACGCTGAGGTGCTTTTCGCCATGACGCTCTTGGTGTGTCAGTCACTTGGCGAC	2748				
QY	1561	GGTTCACCGTGACTCACCTGCGACATTTGCCCGCGCTGCGCGCGCTTACAAAAGCA	1620				
DB	2747	GGTTCACCGTGACTCACCTGCGACATTTGCCCGCGCTGCGCGCGCTTACAAAAGCA	2688				
QY	1621	CACAGCACGCGCGGCAACCAATACCCATCTCTAGCATCCGCGGTGTCAGCAAGATCCAT	1680				
DB	2687	CACAGCACGCGCGGCAACCAATACCCATCTCTAGCATCCGCGGTGTCAGCAAGATCCAT	2628				
QY	1681	CAAGCGCTGCGGATG 1695					
DB	2627	CAAGCGCTGCGGATG 2613					

RESULT 3
US-09-509-945-4/c
; Sequence 4, Application US/09509945
; Patent No. US20020166140A1
; GENERAL INFORMATION:
; APPLICANT: HAMADA, Kazuyuki et al.
; TITLE OF INVENTION: MUTANT BARNASE GENE AND TRANSGENIC PLANT TRANSFORMED BY SAID G
; FILE REFERENCE: 0230-0148P
; CURRENT APPLICATION NUMBER: US/09/509,945
; CURRENT FILING DATE: 2001-04-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 6548
; TYPE: DNA
; ORGANISM: Escherichia coli LE392
; FEATURE:
; NAME/KEY: misc-feature
; OTHER INFORMATION: Clone: pPS172
US-09-509-945-4

Query Match									
Best Local Similarity 100.0%; Score 1695; DB 9; Length 6548;									
Matches 1695; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	CCG	CAG	ATC	CTT	CTC	TG	TAT	TTT
DB	4316	CCG	CAG	ATC	CTT	CTC	TG	TAT	TTT
QY	61	AAT	AT	AT	AT	AT	AT	AT	AT
DB	4256	AAT	AT	AT	AT	AT	AT	AT	AT
QY	131	TCC	AAC	CA	CTT	TA	AT	AT	AT
DB	4196	TCC	AAC	CA	CTT	TA	AT	AT	AT
QY	181	AAC	AA	CA	AT	TA	AT	AT	AT
DB	4136	AAC	AA	CA	AT	TA	AT	AT	AT
QY	241	GAT	CG	CT	TA	AT	AT	AT	AT
DB	4076	GAT	CG	CT	TA	AT	AT	AT	AT
QY	301	GTT	GG	CA	CT	TA	AT	AT	AT
DB	4016	GTT	GG	CA	CT	TA	AT	AT	AT
QY	361	TAT	TG	TA	CT	TA	AT	AT	AT
DB	3956	TAT	TG	TA	CT	TA	AT	AT	AT
QY	421	AT	CA	CT	TA	AT	AT	AT	AT
DB	3896	AT	CA	CT	TA	AT	AT	AT	AT
QY	481	AG	AT	GA	TA	CT	TA	AT	AT
DB	3836	AG	AT	GA	TA	CT	TA	AT	AT
QY	541	TT	AG	TA	CT	TA	AT	AT	AT
DB	3776	TT	AG	TA	CT	TA	AT	AT	AT
QY	601	TAC	AT	CT	TA	AT	AT	AT	AT
DB	3716	TAC	AT	CT	TA	AT	AT	AT	AT
QY	661	AT	GA	TA	CT	TA	AT	AT	AT
DB	3656	AT	GA	TA	CT	TA	AT	AT	AT
QY	721	TCT	AT	CA	TA	AT	AT	AT	AT
DB	3596	TCT	AT	CA	TA	AT	AT	AT	AT
QY	781	TT	CG	TA	CT	TA	AT	AT	AT
DB	3536	TT	CG	TA	CT	TA	AT	AT	AT
QY	841	ACC	AT	CA	TA	AT	AT	AT	AT
DB	3476	ACC	AT	CA	TA	AT	AT	AT	AT
QY	901	AAG	CA	TA	AT	AT	AT	AT	AT
DB	3416	AAG	CA	TA	AT	AT	AT	AT	AT
QY	961	CAT	GA	TA	CT	TA	AT	AT	AT
DB	3356	CAT	GA	TA	CT	TA	AT	AT	AT
QY	1021	TAG	CT	TA	CT	TA	AT	AT	AT

DB	3296	TAG	CT	TA	CT	TA	AT	AT	AT
QY	1081	AT	CT	TA	CT	TA	AT	AT	AT
DB	3236	AT	CT	TA	CT	TA	AT	AT	AT
QY	1141	AG	CT	TA	CT	TA	AT	AT	AT
DB	3176	AG	CT	TA	CT	TA	AT	AT	AT
QY	1201	AA	CG	TA	CT	TA	AT	AT	AT
DB	3116	AA	CG	TA	CT	TA	AT	AT	AT
QY	1261	CA	AG	TA	CT	TA	AT	AT	AT
DB	3056	CA	AG	TA	CT	TA	AT	AT	AT
QY	1321	AT	GT	TA	CT	TA	AT	AT	AT
DB	2996	AT	GT	TA	CT	TA	AT	AT	AT
QY	1381	CAG	TA	CT	TA	AT	AT	AT	AT
DB	2936	CAG	TA	CT	TA	AT	AT	AT	AT
QY	1441	AT	GC	TA	CT	TA	AT	AT	AT
DB	2876	AT	GC	TA	CT	TA	AT	AT	AT
QY	1501	GG	TA	CT	TA	AT	AT	AT	AT
DB	2816	GG	TA	CT	TA	AT	AT	AT	AT
QY	1561	GC	TA	CT	TA	AT	AT	AT	AT
DB	2756	GC	TA	CT	TA	AT	AT	AT	AT
QY	1621	CAC	TA	CT	TA	AT	AT	AT	AT
DB	2696	CAC	TA	CT	TA	AT	AT	AT	AT
QY	1681	CA	AG	TA	CT	TA	AT	AT	AT
DB	2636	CA	AG	TA	CT	TA	AT	AT	AT

RESULT 4
US-09-770-445-298/c
; Sequence 298, Application US/0977045
; Patent No. US20020023281A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, John
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krieker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis

```
; TITLE OF INVENTION: thaliana
; FILE REFERENCE: 202JUS (PARA-012PRV)
; CURRENT APPLICATION NUMBER: US/09/770,445
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,472
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 298
; LENGTH: 965
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(965)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-445-298

Query Match      4.3%; Score 72.6; DB 10; Length 965;
Best Local Similarity 60.3%; Pred. No. 2.1e-11;
Matches 120; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 612 CAGGAATAAAAGCTAATACCTGTCCAAGAGTGGTGGCGCATTTTGACCAATGAAGATCAC 671
Db 465 CGGGATGTGAGGAGTTGACTTGTGGATGAATGTACAGCATTAGCCACAGACAATGCC 406
QY 672 ANGATGCGCAAGATGCAATCTGCCAAGAGCGGGAATATATATTGTAATCTACTACATC 731
Db 405 TCACAGACCAAAATCCCAAGTAGCAGAGAAAGCGGAGGATGGTATTCGAATAACTC 346
QY 732 GAACAGGACCATATCAATGTTCGCCAGCAAGGACCGCCGCGAGATAAGTTCTCTGTCT 791
Db 345 GAATAAGACCCCAAGACGAGTTACAGACCCCAAGACTCCACAGATACCTTCTTGTCT 286
QY 792 CCACAGCAGCAATATCCGCA 810
Db 285 CCAAGGAATATATACGA 267

RESULT 5
US-09-938-842A-1513/c
; Sequence 1513, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPT300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1513
; LENGTH: 828
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-1513/c
Query Match      4.0%; Score 67; DB 9; Length 816;
Best Local Similarity 55.3%; Pred. No. 8.6e-10;
Matches 130; Conservative 0; Mismatches 105; Indels 0; Gaps 0;

QY 627 ATACCTGTCCAAGAGTGGTGGCGCATTTGACCAATGAAGATCACAAAGCATGGCAAGAT 686
Db 438 AGACTTGTGAATGAACATAGTAGTGGCATTAGACCATAGAGAAACACACAGCAGCAACGNT 379
QY 687 GGCATCTGCCAAAGGCGGGAATATATTTGTTATTTCTACTACATCGACAGGAACCATAT 746
Db 378 CATACGCTGACATAACAGAGATGAAGAAGATGATCTCCATCAATTCAAATAGACCCCATGC 319
QY 747 CAATGTTGCCCGCCAGCAAGGACCGCCGCGAGATAAGTTCTCTGTTTCCACAGCAGAAATC 806
Db 318 CACTGTAGCACCCCAAAATACACCTCTCTGACATTTTCTGCTCTCCACATATATATC 259
QY 807 CGCAACTGTCATAGCTCCCAACAAATGAATCCAAACCCACATCGGCTCAGAGAA 861
Db 258 TGCCTGTTTCCCGCCGAGAACCTTATGACAGAGTCTCTCTCTTCCGACAAA 204

RESULT 7
US-09-294-093B-2837/c
; Sequence 2837, Application US/09294093B
; Patent No. US20010051335A1
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath, V.
; APPLICANT: Ito, Laura, Y.
; APPLICANT: Shetman, Bradley, K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
; FILE REFERENCE: PI-0009 US
; CURRENT APPLICATION NUMBER: US/09/294,093B
```

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; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,567
; PRIOR FILING DATE: April 21, 1998
; NUMBER OF SEQ ID NOS: 6207
; SOFTWARE: PERL Program
; SEQ ID NO 2837
; LENGTH: 293
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010051335A1 700346743H1
; NAME/KEY: unsure
; LOCATION: 51, 90, 153, 174, 256, 282, 290
; OTHER INFORMATION: a, t, c, g, or other
; US-09-294-093B-2837

Query Match      3.5%; Score 60; DB 10; Length 293;
Best Local Similarity 58.0%; Pred. No. 5.5e-08;
Matches 102; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 614 GGAATTAAGCTAATACCTGTCACAGAGTGGTCCGCGCATTTGACCAATGAAGATCAAA 673
Db 177 GGANGTAGAGGAGCTGTGGANGAAGCTGTGGCATTTGGACCAATGAAGATCAAA 118

QY 674 GCATGCAAGAATGCAATGCGCAAGGAGCGGAATTATATTGTTCTACTACATCGA 733
Db 117 CCAGGTGAGGATGAGGCGAGTGGCATANCAGAGGTGAGGAGGTGTAATCCATGACCTCAA 58

QY 734 ACAGGAACCATATCAATGTTGCCCGCAGCAAGAGCCCGCAGATAAGTTCTCTGTTTC 789
Db 57 ACAGCACCAGAGGAGCTGCGCTCGGAGCACCACCAAGAGATCTCTCTGTTTC 2

RESULT 9
US-09-770-149-213/c
; Sequence 213, Application US/09770149
; Patent No. US20020059663A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Ramekar, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matchew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krickler, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurlan, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE OF INVENTION: thaliana
; FILE REFERENCE: 2024 (PARA-013PRV)
; CURRENT APPLICATION NUMBER: US/09/770,149
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,506
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 213
; LENGTH: 709
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-09-770-149-213

Query Match      3.5%; Score 59.6; DB 10; Length 709;
Best Local Similarity 59.4%; Pred. No. 1.2e-07;
Matches 101; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 614 GGAATTAAGCTAATACCTGTCACAGAGTGGTCCGCGCATTTGACCAATGAAGATCAAA 673
Db 170 GGATATGAAGAGGTGACTTGTGAATGAAGGTACTAGCACTAGACCAACAACAACTACTG 111

QY 674 GCATGCGCAAGAAATGCGCAATCTGCAAGGAGCGGAATTATATTGTTCTACTACATCGA 733
Db 110 CGAGGACCAAGAAATGGAATGTGCCCAAGAGGTGTGAGAGATTGTACTCAAGTAACTCGA 51

QY 734 ACAGGAACCATATCAATGTTGCCCGCAGCAAGAGCCCGCAGATAAGTTTC 783
Db 50 ATAAGATCCAGGAACAGTTGTCAGCAGCACCACTACTCTCTCTGATACCTTC 1

RESULT 9
US-09-878-574-4918/c
; Sequence 4918, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 4918
; LENGTH: 440
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: L1B3028-001-Q1-B1-B11
; US-09-878-574-4918

Query Match      3.3%; Score 56; DB 10; Length 440;
Best Local Similarity 59.4%; Pred. No. 1.1e-06;
Matches 95; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

QY 630 CCGTGCCCAAGAGTGGTCCGCGCATTTGACCAATGAAGATCAAGCATGCGCAAGATGCC 689
Db 193 CTTGTGATAAAGCTATGCGCATTTGCGCCACCAAAATAAACCAGCAAGATGGA 134

QY 690 AATCTGCAAGAGGAGCGGAATTATATTGTTCTACTACATCGACAGCAAGATCAAA 749
Db 133 AATGTGACAGACTAGAGTAAGCAGGTGATTTCAAGCACTCAAAAAGATCCAAATAGC 74

QY 750 TGTTCGCCAGCAAGAGGAGCCCGCAGATAAGTTCTCTGTTTC 789
Db 73 CGTGGCTACACCAAGTACACCGACGAGATATCTCTGTTTC 34

RESULT 10
US-09-294-093B-3541/c
; Sequence 3541, Application US/09294093B
; Patent No. US20010051335A1
; GENERAL INFORMATION:
; APPLICANT: Laligudi, Raghunath, V.
; APPLICANT: Ito, Laura, Y.
; APPLICANT: Sherman, Bradley, K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
; FILE OF INVENTION: PL-0009 US
; CURRENT APPLICATION NUMBER: US/09/294,093B
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,567
; PRIOR FILING DATE: April 21, 1998
; NUMBER OF SEQ ID NOS: 6207
; SOFTWARE: PERL Program
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; SEQ ID NO 3541
; LENGTH: 304
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010051335A1 700380432H1
; LOCATION: 31, 46, 65, 154, 185
; OTHER INFORMATION: a, t, c, g, or other
US-09-294-093B-3541

Query Match      3.2%; Score 53.6; DB 10; Length 304;
Best Local Similarity 66.4%; Pred. No. 4.4e-06;
Matches 77; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

QY 694 TGCCAAAGCAGCGGATTATATTGTATTCTACTACATCAACAGGACCAATATCAATGTT 753
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 304 TGGCACCACCAAGGTGAGGAGATGGTACTCCATAACCTCGAACAGGAGCGAGATGGCCGTG 245
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 754 GCGCCAGCAGGACCGCCGCGAGATAAGTTTCCTGTTCTTCCACAGCAGAAATATCCGC 809
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 244 GCACCAGCGAGTACCCGCCCTGAGATCTTCTGTTCTCTCCATAGGACAGATCGGC 189
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 11
US-09-770-791-415/c
; Sequence 415, Application US/09770791
; Patent No. US20020062014A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kricker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2029 (PARA-018PRV)
; CURRENT APPLICATION NUMBER: US/09/770,791
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,480
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 415
; LENGTH: 367
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-791-415

Query Match      2.8%; Score 47.8; DB 10; Length 367;
Best Local Similarity 57.8%; Pred. No. 0.00025;
Matches 85; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 664 AAGATCAACAGCATGGCAAGAATGCGAATCTGCGAAGGAGCGGAATTAATTGTTATTC 723
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 364 AAGAGGCTCCAAAGAGCGGATGATCGAAATGTGACACAAAGACTCAACAATGATCTCA 305
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 724 ACTACATCGAACAGGAACCATATATCAATGTTGCCCGCCAGCAGGACCCCGCAGATAGTTC 783
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Db 304 ACCAGCTCGAACAGAACCCAAATAGCAGTCGCGACACCAAGAACAGCACCCTGATAGTTTT 245
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 784 CTGTTCTTCCACAGCAGCAATATCCGCA 810
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 244 TTATCCCTCCACAGAACACATCAGCA 218
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 12
US-09-878-574-1420/c
; Sequence 1420, Application US/09878574
; Patent No. US20020110548A1
; GENERAL INFORMATION:
; APPLICANT: Byrum, Joseph R.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Thompson, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(15401)B
; CURRENT APPLICATION NUMBER: US/09/878,574
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/333,535
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 15775
; SEQ ID NO 1420
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Glycine max
; OTHER INFORMATION: Clone ID: LIB3028-038-Q1-B1-B2
US-09-878-574-1420

Query Match      2.2%; Score 36.6; DB 10; Length 396;
Best Local Similarity 57.4%; Pred. No. 0.55;
Matches 66; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 721 TCTACTACATCGAACAGGACCATATCATGTTGCCCGCCAGCAGGACCCCGCAGATAG 780
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 395 TCAAGCAAGTCAAAAAGAACCCAAACAGCAGTGGTCCGCGCAAGCATGCCACGAGAAATT 336
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 781 TTCTCTGTTCTTCACAGCAGAGATATCCGCAACTGTCATAGCTCCCAACAATGAAT 835
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 335 TTCTTGTTCTCCACAATAACACATCAGCAGGTTTTCGCGCCCGCAAAACGGAGT 281
      || | ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 13
US-09-917-800A-1339/c
; Sequence 1339, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castile, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
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Query Match	2.1%	Score 36;	DB 10;	Length 6021;
Best Local Similarity	45.9%;	Prod. NO. 4.2;		
Matches 123;	Conservative 0;	Mismatches 145;	Indels 0;	Gaps 0;
QY	20	ATTGTTTATTAAAAATTTAATATTTATCTGGAATACCTACCAATATATAGTAGACTTGTC	79	
Db	5888	ATAAATACATAAAAATTTTATTTAAATTTAAAAATACAGTTTAAATTTATATCTTTAGCTAFT	5829	
QY	80	AAGCTGCAAGAACCTTCCAATCGCCGACAATACCAATAGAGATCCAACCACTTATATATCA	139	
Db	5828	TACATACATGTTTAGTAACTAGTTTACAATGTAGCTGATACTTAACAGGATAAATAGG	5769	
QY	140	TAAACAATCTGATTTGTTAGTCCGAACTATATTGAGTAGTAGAACACAAATACGACATTAA	199	
Db	5768	GCTATTCAAATTTTTTTTAAATATGCGCTTAAATTTGAAATCCCAAGTTCACATTTACTATAATAA	5709	

Search completed: December 2, 2002, 04:18:26
Job time : 830.194 secs